

In the claims:

Pursuant to 37 C.F.R. §1.121 the following is a complete listing of the claims of the present application:

1.-34. (Canceled)

35. (New) An isolated and purified phosphodiesterase polypeptide with phosphodiesterase enzymatic activity encoded by a polynucleotide selected from the group consisting of:

a) a polynucleotide comprising the sequence set forth in SEQ ID NO: 1;

b) a polynucleotide encoding the polypeptide comprising an amino acid sequence selected from the group consisting of SEQ ID NO: 2, SEQ ID NO: 19, SEQ ID NO: 21, SEQ ID NO: 23; and

c) a polynucleotide that hybridizes under moderately stringent conditions to the non-coding strand of the polynucleotide of (a) or (b); said moderately stringent conditions comprising a final wash at 65 degrees C in 2X SSC and 0.1%SDS.

36. (New) The polypeptide according to claim 34 comprising the amino acid sequence selected from the group consisting of SEQ ID NO: 2, SEQ ID NO: 19, SEQ ID NO: 21 and SEQ ID NO: 23.